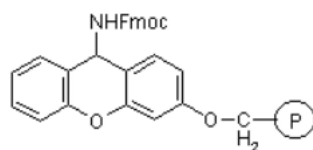


1. Description

Seplife® Sieber Resin is a very acid-labile resin for preparing by solid phase peptide synthesis (SPPS) peptides and partially protected peptide fragments using the Fmoc strategy. Cleavage of the protected peptide from the Sieber resin can be achieved using low TFA concentrations while fully deprotected peptides can be cleaved from the SPPS resin Seplife® Sieber Resin with 95% TFA.

The resin can be readily reductively alkylated to provide a support suited to the synthesis of secondary carboxamides. Seplife® Sieber Resin has also been employed to produce protected peptide fragments in which the C-terminal carboxylic acid group is blocked as Hydroxymethylphenoxy-beta-alaninamide ester.



2. Properties

Product	Seplife® Sieber Resin
Appearance	Off white or light yellow beads
Type	Gel type resin functionalized with Fmoc-NH ₂ groups
Matrix	1% DVB/polystyrene
Substitution (mmol/g)	0.2-0.4
	0.4-0.6
	0.6-0.8
	0.8-1.0
Particle size range (mesh/micron)	100-200 / 75-150
Shipped as	Dry

3. Storage

Seplife® Sieber Resin that is not for immediate use should be stored in dry form in a closed container at 2-8 °C.

4. Transportation

Avoid sunlight, rain, and heavy pressure during transportation. It is strictly forbidden to transport together with toxic and hazardous materials. Product can be shipped at ambient temperature.

5. Ordering information

Product Name	References	Substitution (mmol/g)
Seplife® Sieber Resin	LXSS10-1-1401	0.2-0.4
	LXSS10-1-1402	0.4-0.6
	LXSS10-1-1403	0.6-0.8
	LXSS10-1-1404	0.8-1.0

Production date: See label

Expiry date: 3 years, under proper storage conditions

Manufacturer: Sunresin New Materials Co. Ltd.

Add: No. 135, Jinye Rd, Xi'an Hi-

tech Industrial Development Zone, Shaanxi, 710076, China

www.seplite.com www.sunresin.com

E-mail: info.lifescience@sunresin.com

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